[024] FIGURE 5 is a detailed side elevation view of another embodiment of the rear suspension illustrated in FIGURE 3.

[029] Referring to FIGURE 4, an independent hydraulic drive 30 is provided for several of support wheels 24. Referring to FIGURE 1, suspension for each of support wheels 24 includes a support arm 32 which has a first end 34 and a second end 36. First end 34 of support arm 32 is ~~pivotally~~ mounted to frame 12 on a pivot 33, to pivot about an axis 35. One of support wheels 24 is rotatably mounted to second end 36 of each support arm 32. Referring to FIGURE 5, dual air bag shock absorbers 40 are disposed between each of support arms 32 and subframe members 13, to absorb shocks as support arms 32 are forced to adjust to variations in terrain. Air bag shock absorbers 40 for one of support arms 32 is in fluid communication via a conduit 42 with air bag shock absorbers 40 for another of support arm s32 that is positioned along that same opposed side 18, such that excess loading on one of air bag shock absorbers 40 is transferred to another of air bag chock absorbers 40 along that opposed side 18. Each air bag shock absorber 40 has pre-selected minimum and maximum a load limits. Although the illustrated embodiment show air bag shock absorbers 40, it will be appreciated that other types of shock absorbers could be used instead. Referring to FIGURE 5, hydraulic fluid activated telescopic preload cylinders 38 acts upon each of the rear subframe members 13 to pivot the rear subframe member 13 into a selected pivotal position, which sets basic ride height and clearance for each of support arms 32.

[034] Referring to FIGURE 2, all terrain vehicle chemical applicator 10 provides stability for chemical applicator boom 46 illustrated in FIGURE 4. There are six wheels 24, two front and four rear wheels, each of which has independent suspension. At least four of the six wheels 24 are always in contact with ground 26 at any time. Wheels 24 have floatation tires 28 which are capable of absorbing a portion of the impacts.

[035] Referring to another embodiment as seen in FIGURE 5, hydraulic fluid activated telescopic preload cylinders 38 act upon each of the rear subframe members 13 to pivot the rear subframe member 13 into a selected pivotal position, which sets basic ride height and clearance for each of support arms 32.